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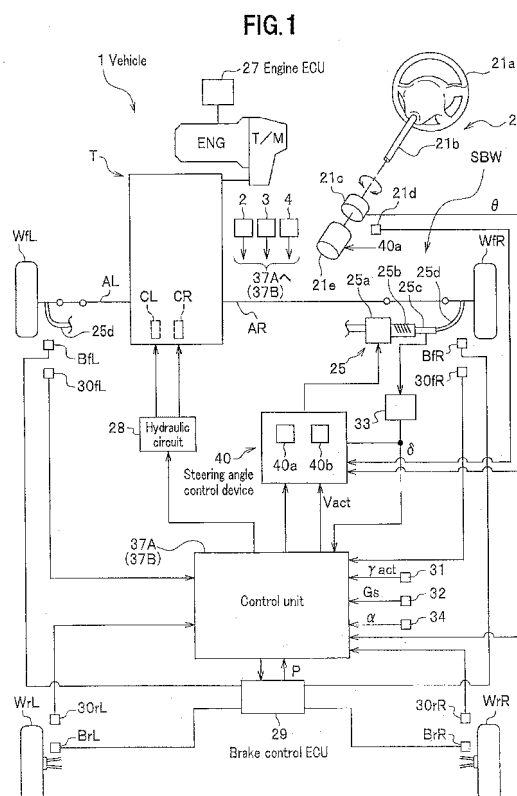
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(54) **Vehicle Motion Control Apparatus**

(57) The vehicle motion control apparatus includes a control unit 37A and sensors 2, 3, 4, 30, 31, 32, 33, etc. The actual state quantity obtaining unit 52 calculates a vehicle body actual slip angle β_{z_act} , etc. The reference dynamic-characteristic model calculating unit 54 calculates a reference vehicle body slip angle β_{z_d} , etc. by using a dynamic characteristic model. The vehicle motion control apparatus also includes a first anti-spin target yaw moment FB unit 68 which calculates a first anti-spin target yaw moment M_{c1_asp} based on the vehicle body actual slip angle β_{z_act} and a second anti-spin target yaw moment FB unit 82 which calculates a second anti-spin target yaw moment M_{c2_asp} based on a lateral acceleration G_s , a vehicle speed V_{act} and an actual yaw rate γ_{act} .





EUROPEAN SEARCH REPORT

Application Number
EP 11 15 6954

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			B60W
Place of search		Date of completion of the search	Examiner
Munich		4 April 2012	Plenk, Rupert
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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